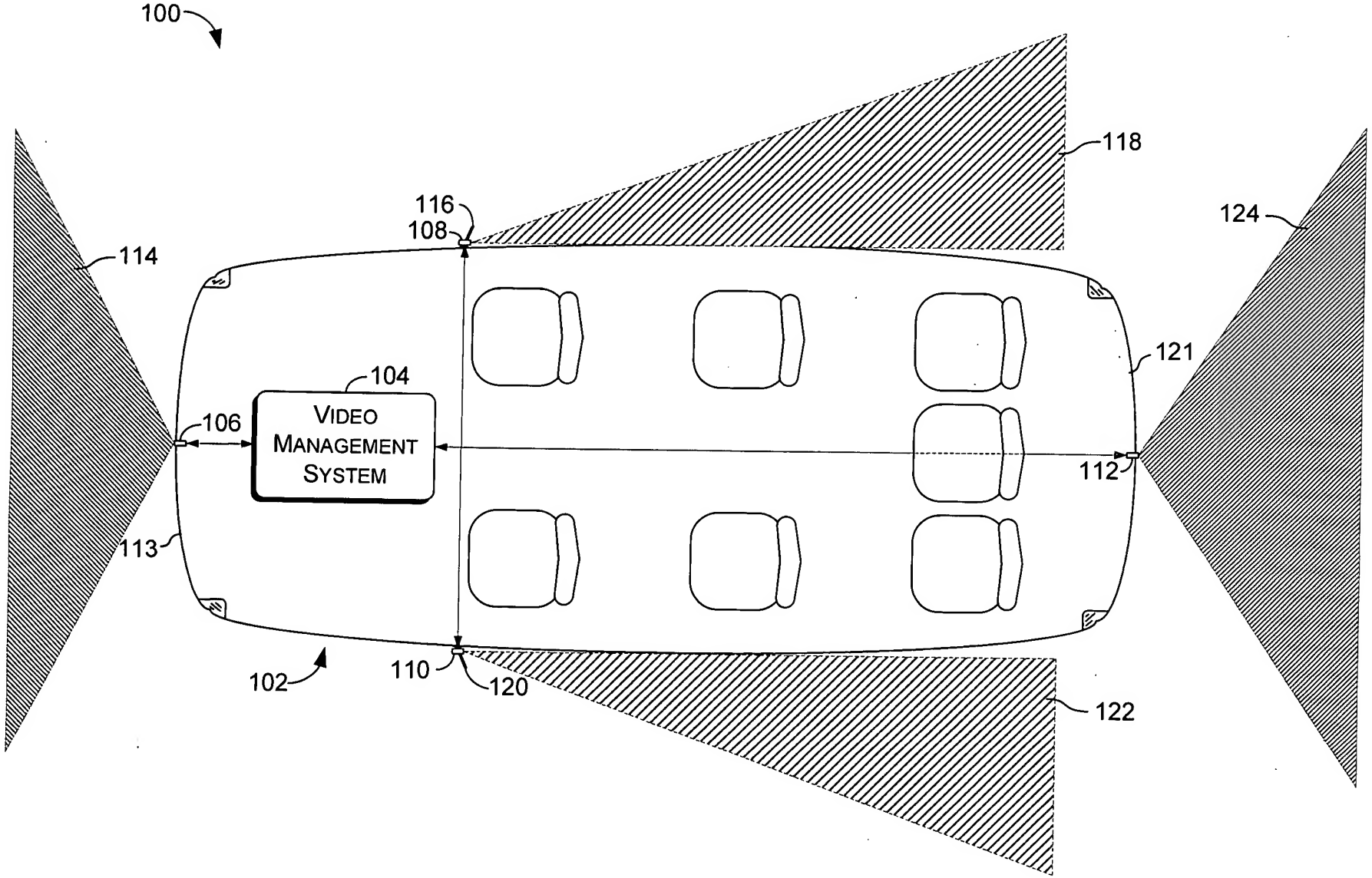
100
118
116
108
124
114
121
104
VIDEO MANAGEMENT SYSTEM
106
112
113
102
110
120
122

FIG. 1

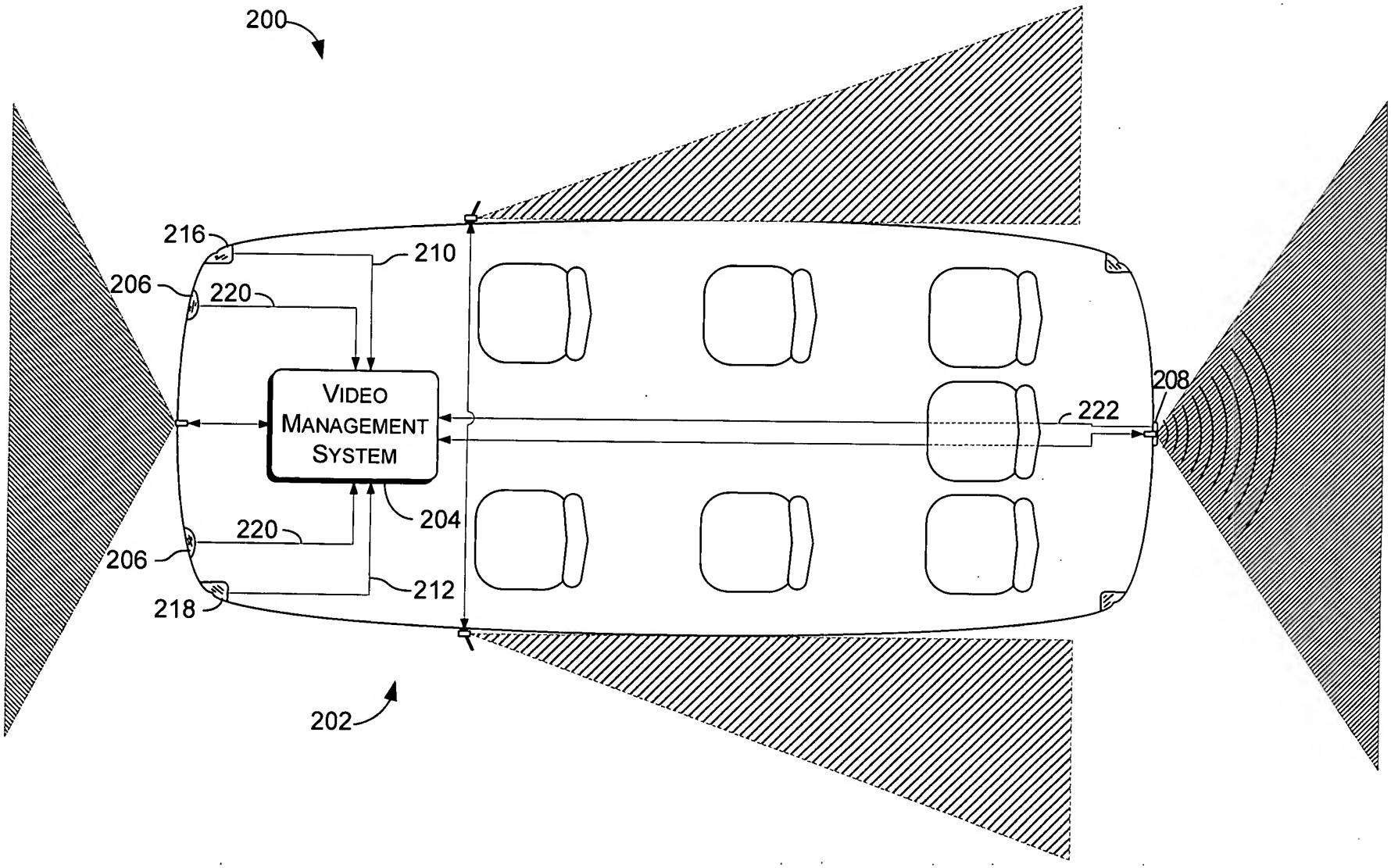
200
216
210
206
220
VIDEO MANAGEMENT SYSTEM
208
222
204
220
206
212
218
202

FIG. 2

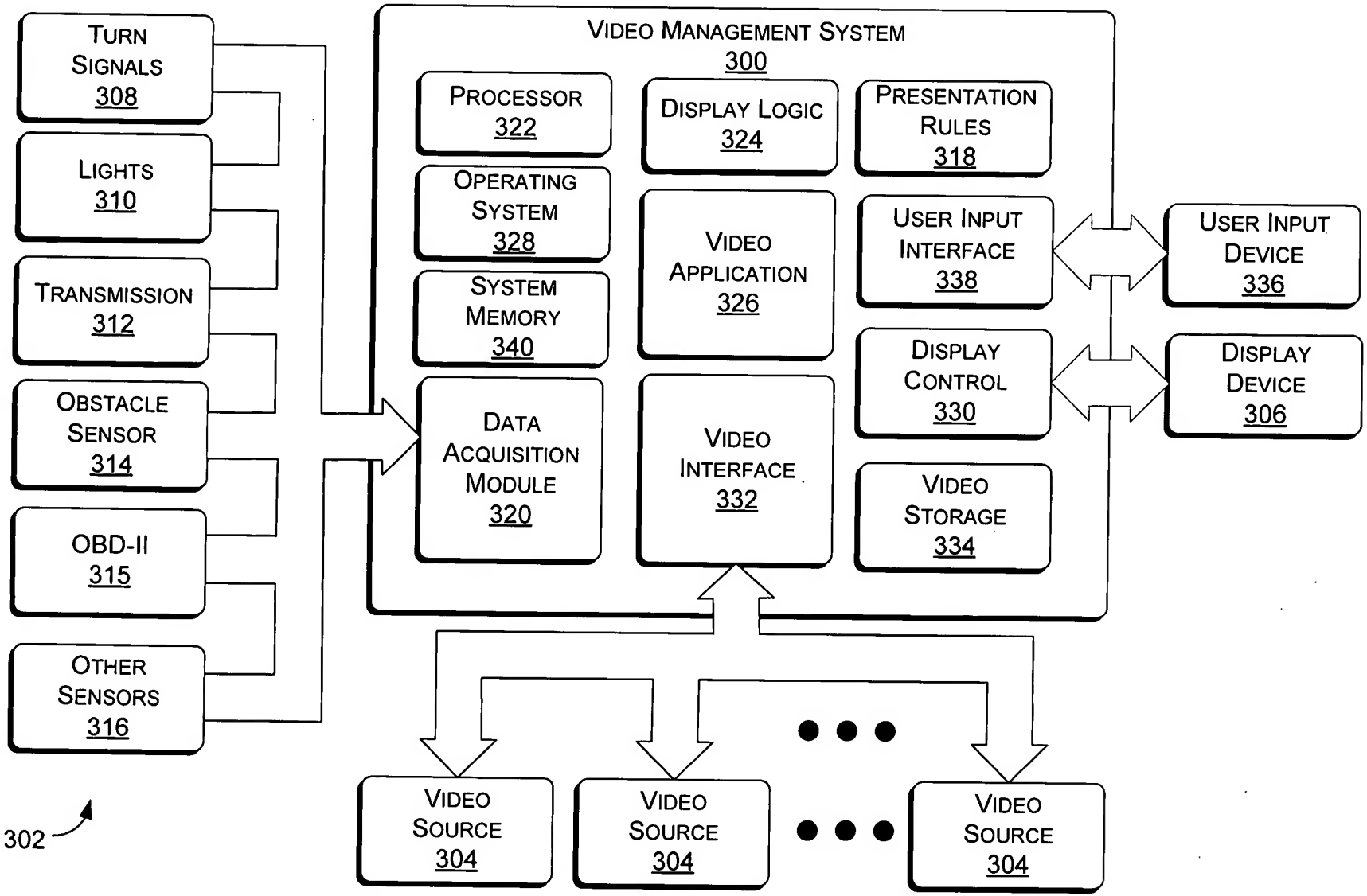
Turn Signals 308
Lights 310
Transmission 312
Obstacle Sensor 314
OBD-II 315
Other Sensors 316
302
Video Management System 300
Processor 322
Operating System 328
System Memory 340
Data Acquisition Module 320
Display Logic 324
Video Application 326
Video Interface 332
Presentation Rules 318
User Input Interface 338
Display Control 330
Video Storage 334
User Input Device 336
Display Device 306
Video Source 304
Video Source 304
Video Source 304

FIG. 3

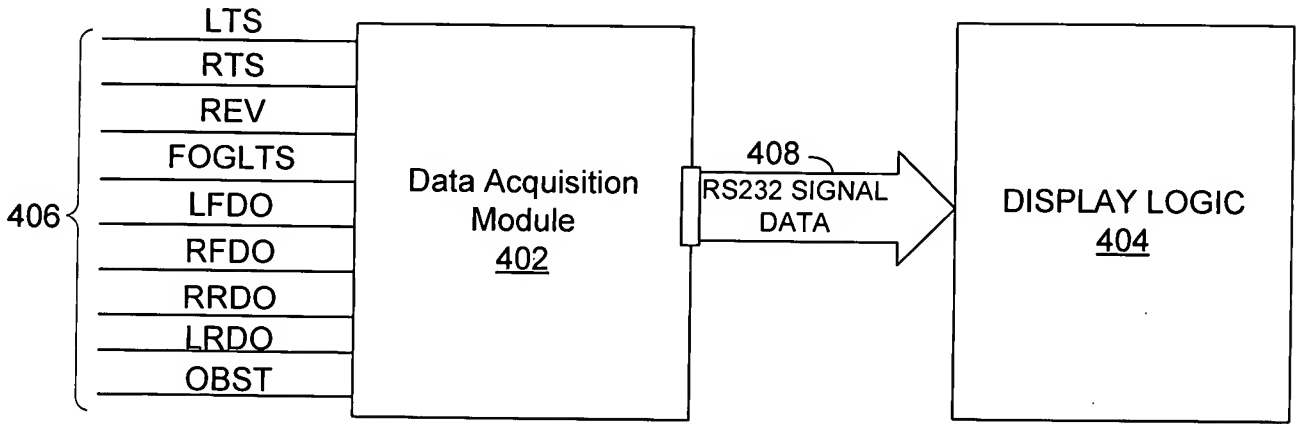
LTS
RTS
REV
FOGLTS
LFDO
RFDO
RRDO
LRDO
OBST
406
Data Acquisition Module
402
408
RS232 SIGNAL DATA
DISPLAY LOGIC
404

FIG. 4

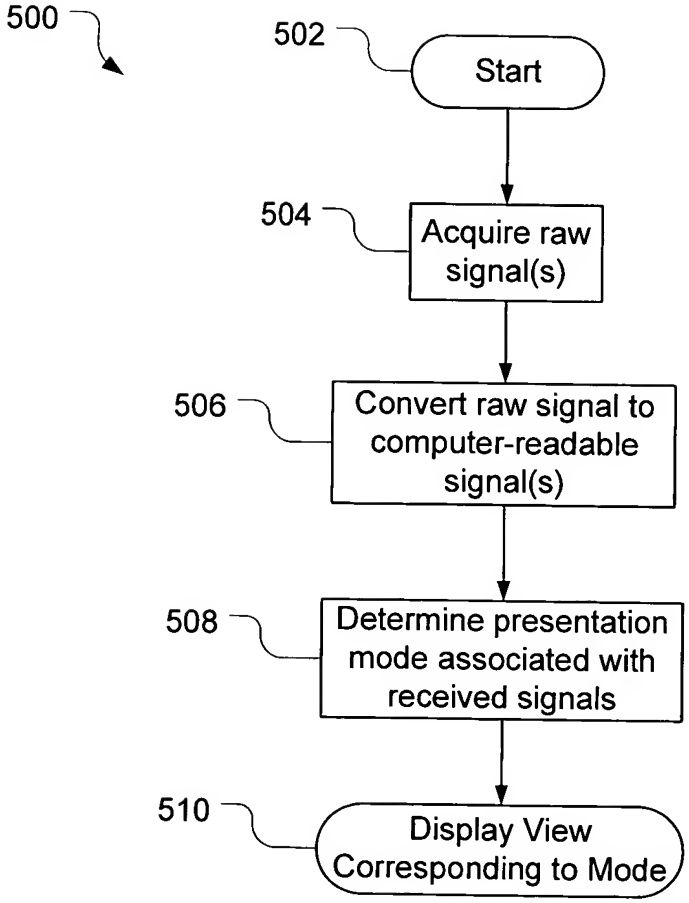
500
502
Start
504
Acquire raw signal(s)
506
Convert raw signal to computer-readable signal(s)
508
Determine presentation mode associated with received signals
510
Display View Corresponding to Mode

FIG. 5

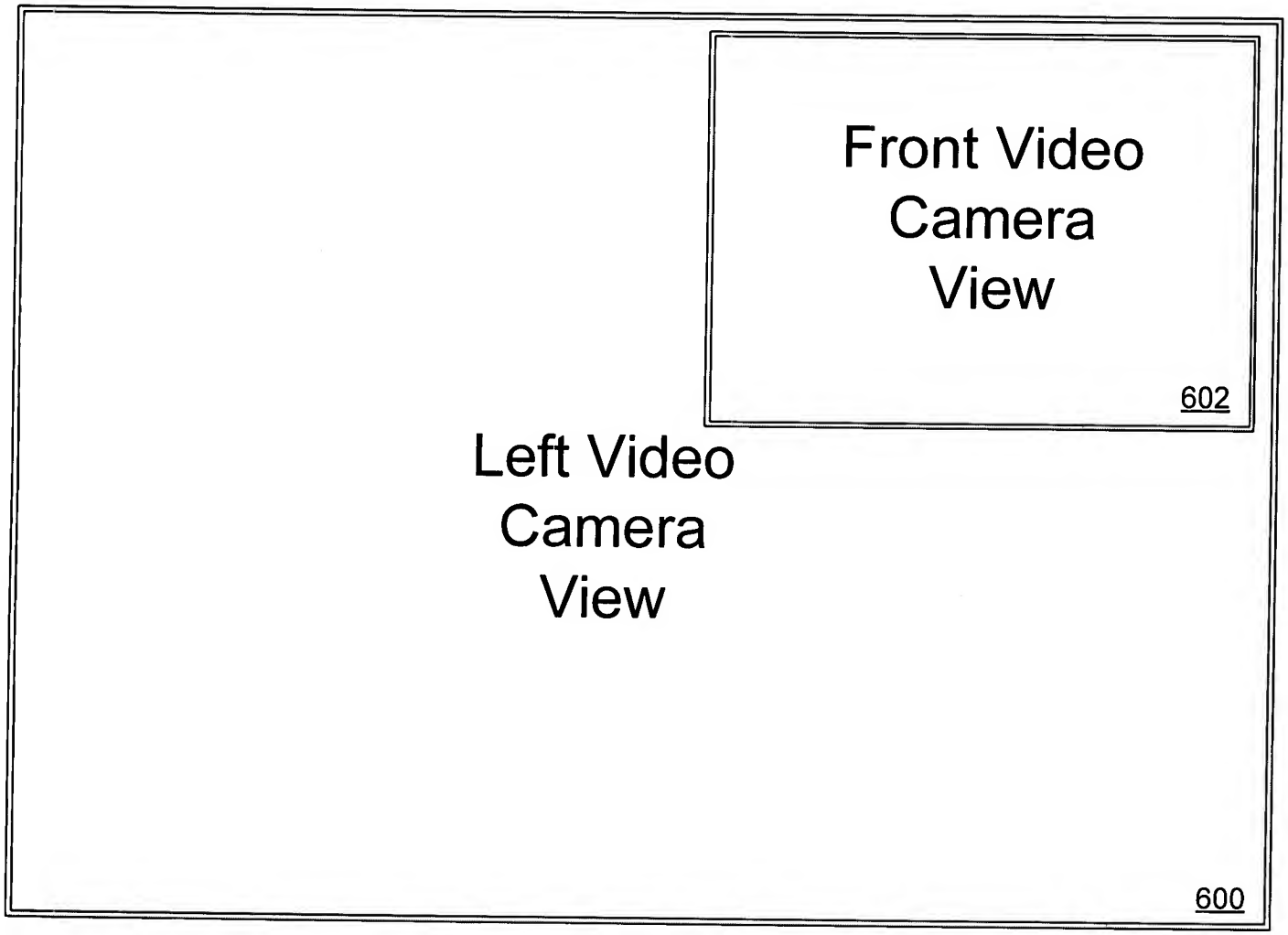

FIG. 6

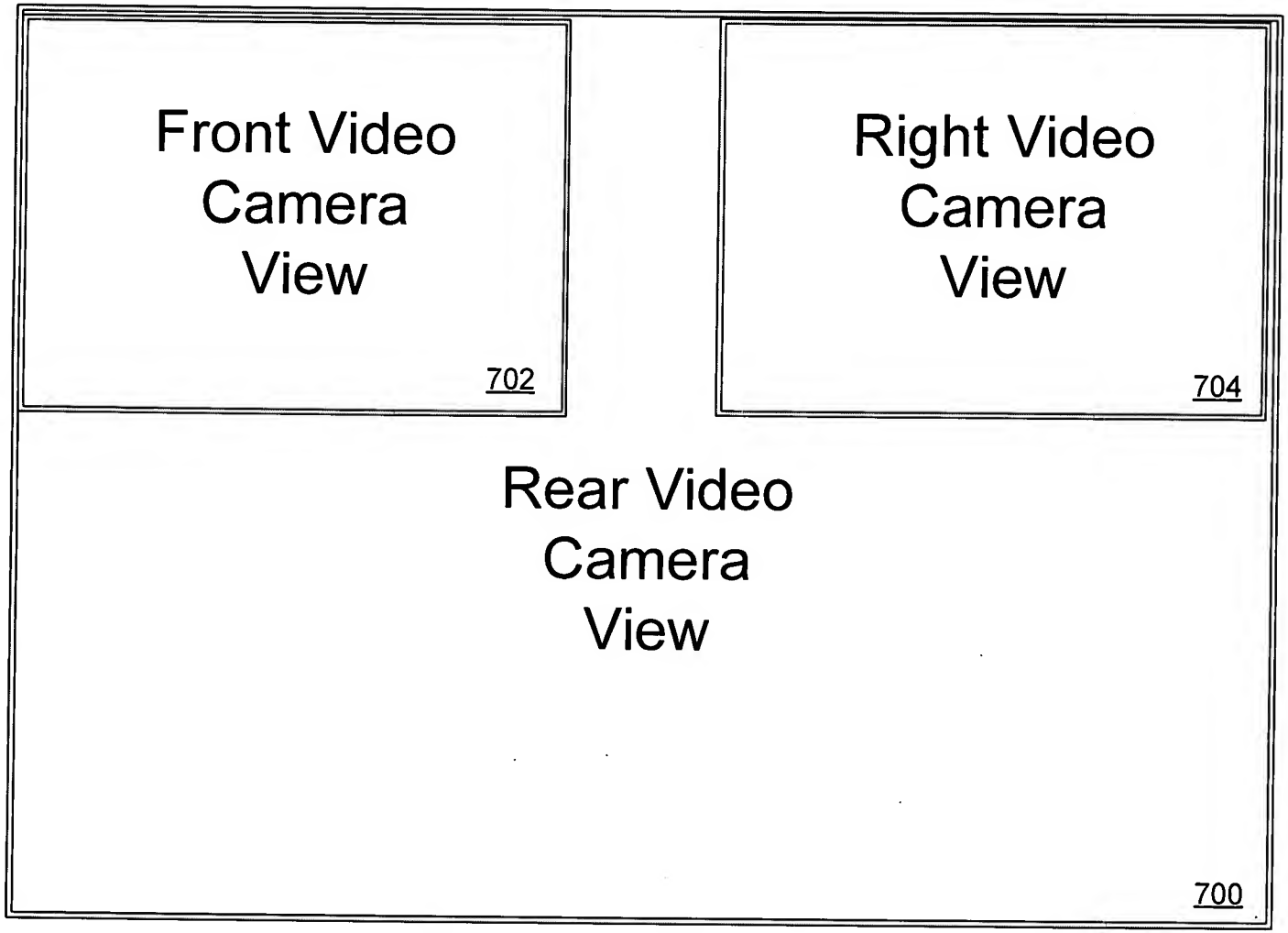
Front Video Camera View
702
Right Video Camera View
704
Rear Video Camera View
700

FIG. 7

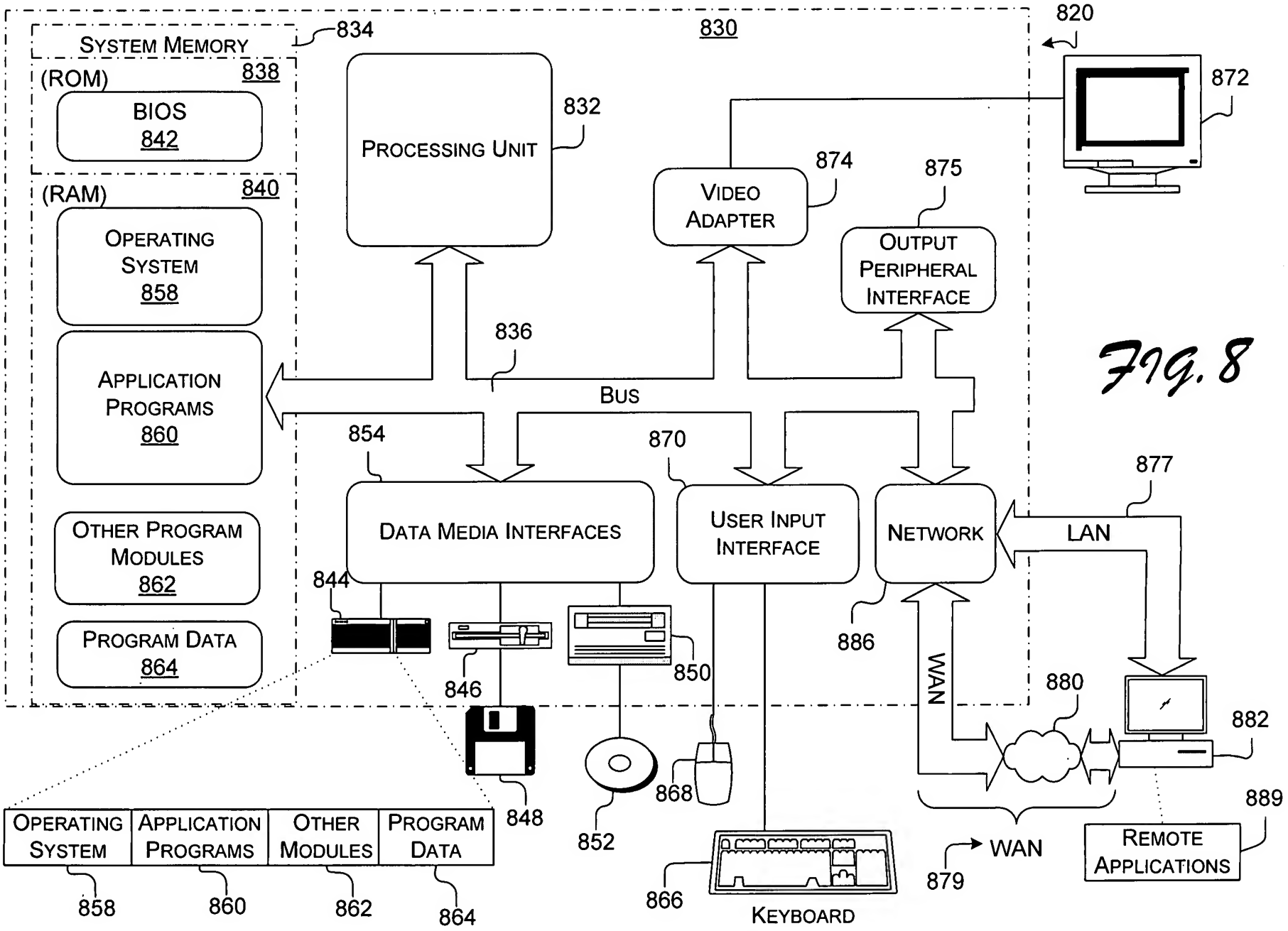
820
830
834
SYSTEM MEMORY
(ROM)
838
BIOS
842
(RAM)
840
OPERATING SYSTEM
858
APPLICATION PROGRAMS
860
OTHER PROGRAM MODULES
862
PROGRAM DATA
864
PROCESSING UNIT
832
872
VIDEO ADAPTER
874
875
OUTPUT PERIPHERAL INTERFACE
836
BUS
854
870
877
DATA MEDIA INTERFACES
USER INPUT INTERFACE
NETWORK
LAN
844
886
WAN
880
882
846
850
848
852
868
889
OPERATING SYSTEM
APPLICATION PROGRAMS
OTHER MODULES
PROGRAM DATA
858
860
862
864
866
KEYBOARD
879
WAN
REMOTE APPLICATIONS

FIG. 8